Headquarters U. S. Air Force

Integrity - Service - Excellence

DGS-X
Update

Richard Leggett
Air Force C2 Transformation Center

U.S. AIR FORCE

Purpose

Update the status of DGS-X

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Overview

- Capabilities
- Processes
- Operational View
- TC Organization
- Schedule
- Innovation

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Required Capabilities

- Effective transformation based processes
- Operationally representative baseline to support integration and testing
- Flexible innovation environment
- Robust communication connectivity

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Transformation Process

DCGS Config Mgmt
- Upgrades
- Modifications
- Tech Refresh
- System Upgrades

ISR SDIPT

DCGS Working Group

Initiatives
- TENCAP
- Battle Labs
- Industry
- COTS/GOTS Tools
- TC or User

Weapon System Baseline
- Fielded Weapon System
- Operational Assessment
- Concept of Operations
- Tactics, Techniques, & Procedures

Spiral Development Baseline
- Weapon System Architecture
- Integration Assessment
- Capabilities Assessment
- Training Assessment
- Requirement(s) Satisfaction
- Concept of Employment

Innovation Baseline
- Single/Multi Component(s)
- As Designed Assessment
- Requirement(s) Linkage
- Demonstrated Capability
- Concept Exploration

Operations
- Operational Training
- Operations Testing
- System Fielding
- Sustainment
- Field

"Shrink Wrap"

Integration
- Block/Increment Integration
- System Testing & Evaluation
- Block/Increment Acceptance
- Integrate and Test

Migration

Innovation
- Assessment Evaluation

No | Go

- "No Go" returned to Sponsor/Provider
- Concept Assessment

Loosely Coupled

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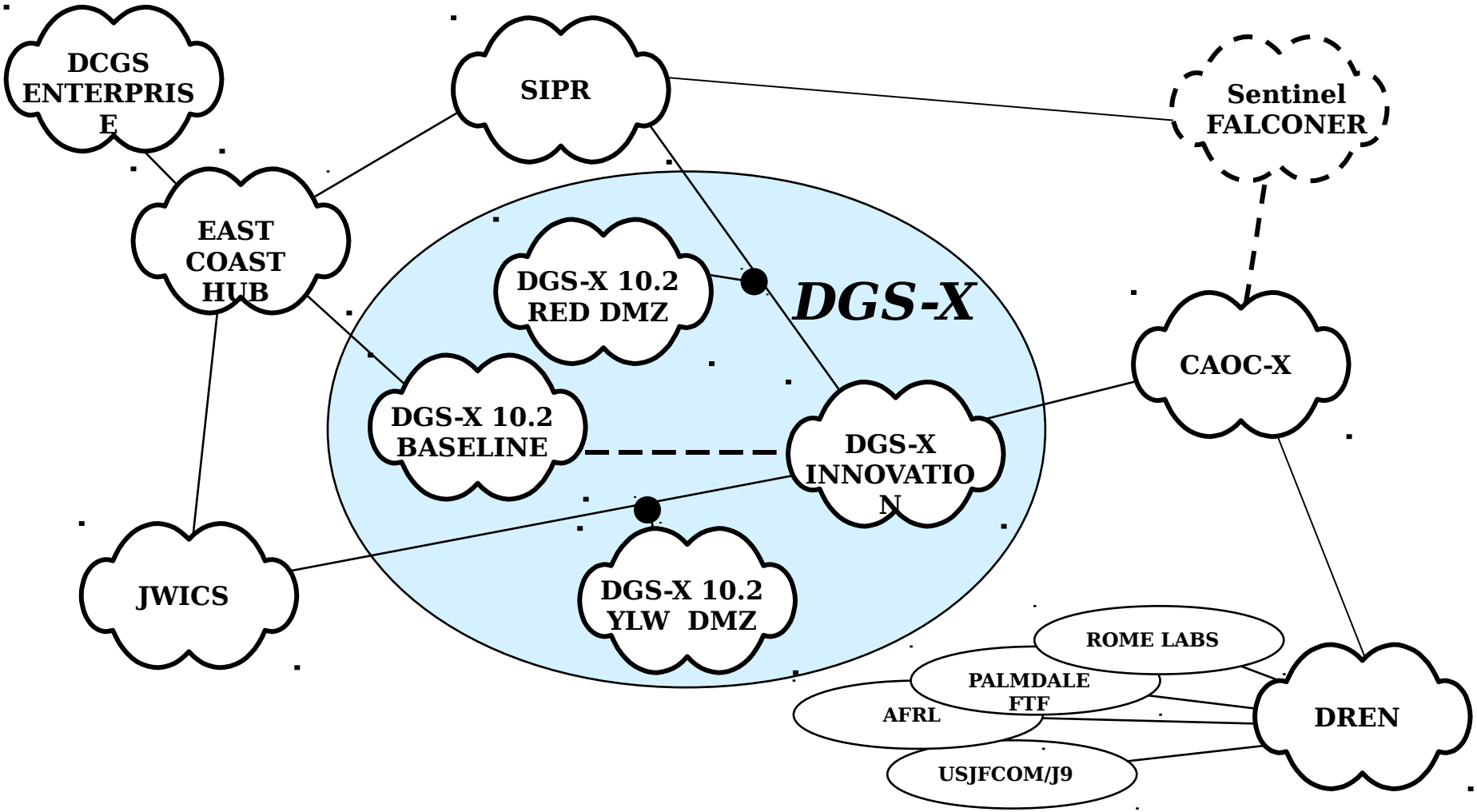
DGS-X Operational View (OV-1)



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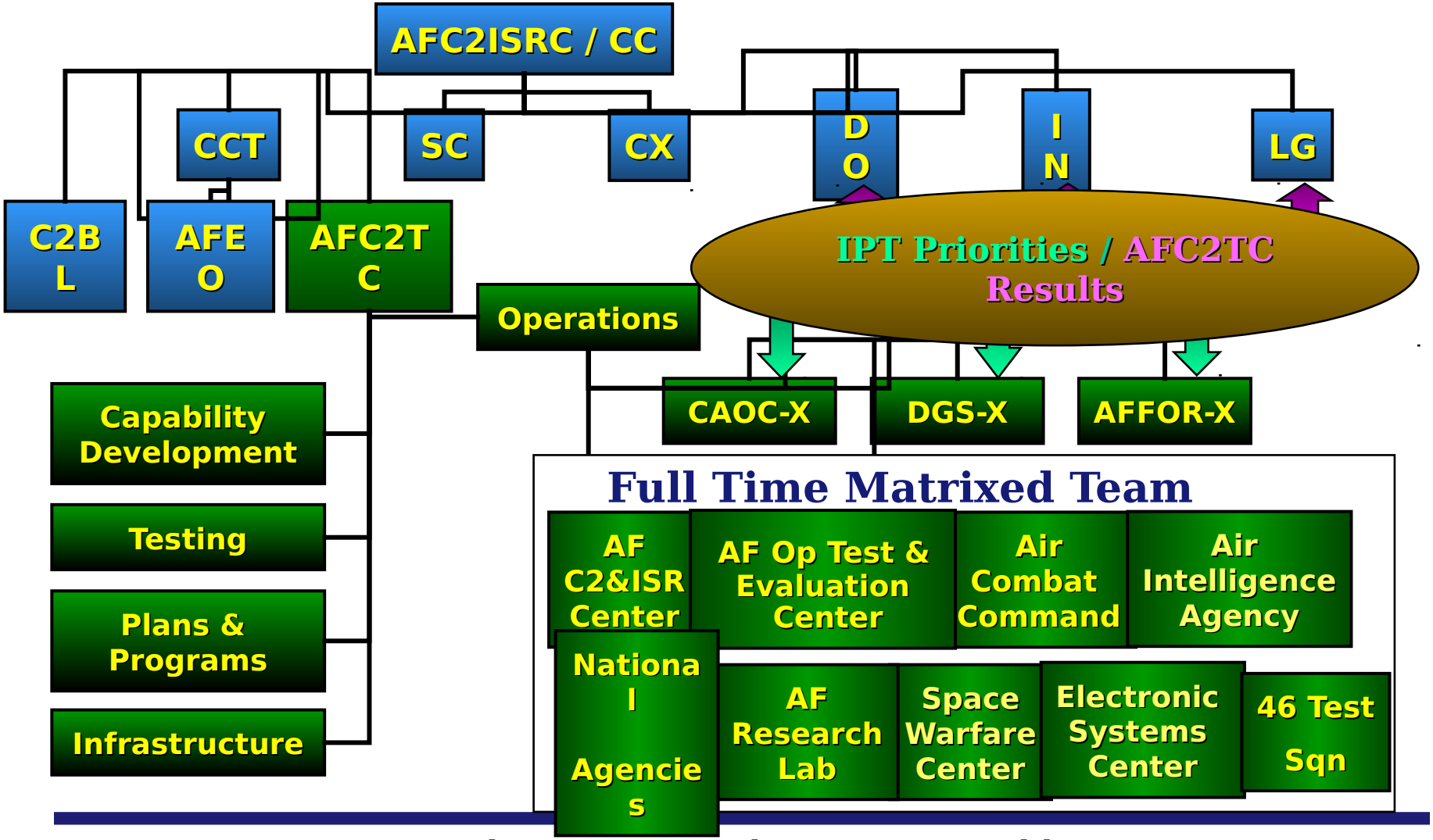
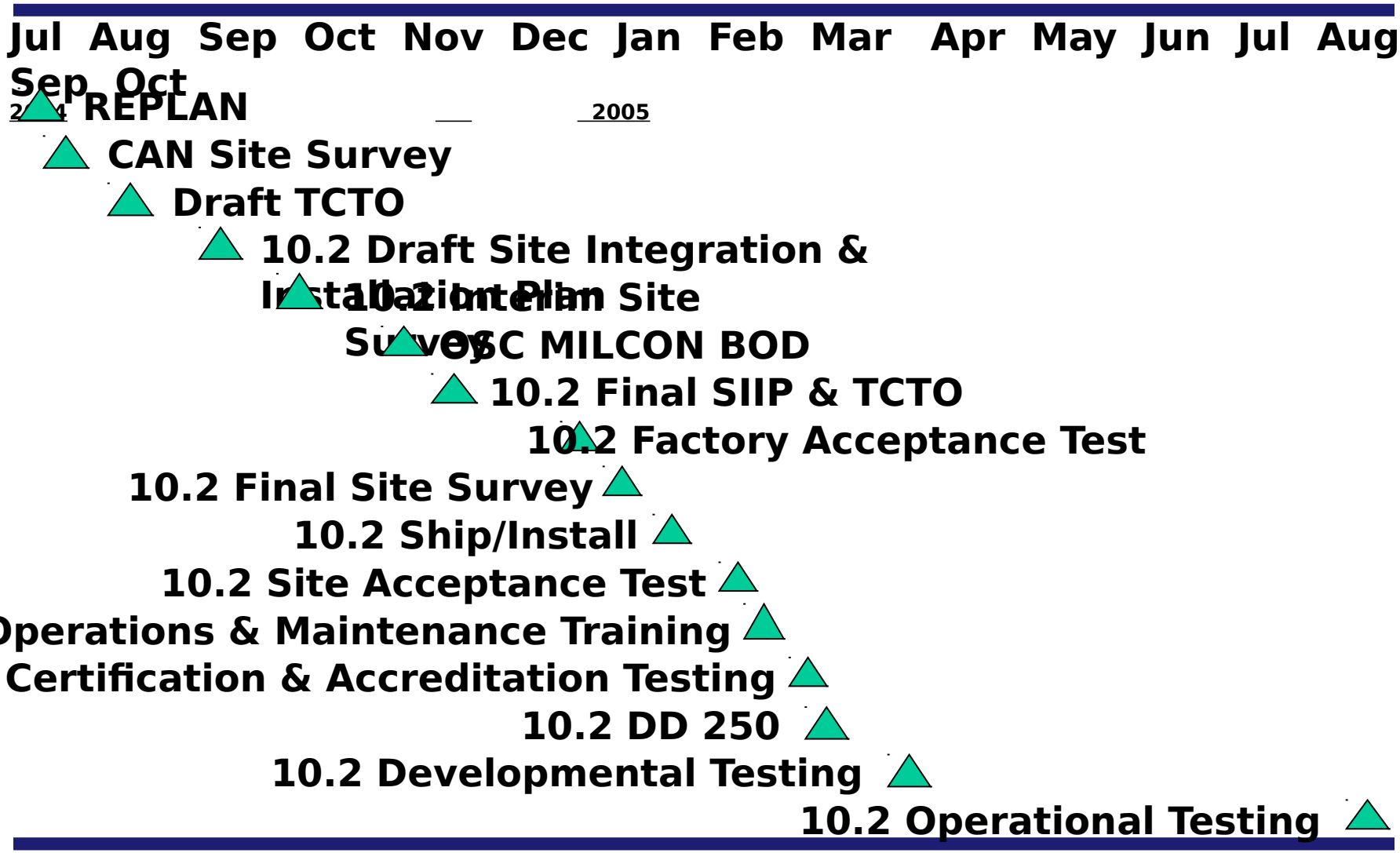
TC Organization



DGS-X 10.2 Schedule



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Technology Assessments and Demonstrations

Basic Over the Web Tactical Imagery Exploitation

Rosetta STONE

Precision Targeting Workstation

Minerva

Assisted Target Recognition For TCT

Advanced Geospatial Imagery Library Exchange

Image Processing, Multi-Source Analysis and Geospatial System (TALON Elwood)

Advanced Fusion Workstation

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Summary

- DGS-X Enabling Concept released by AFC2TC/CC for “TOPLINE” coordination 21 July 2004
- Currently no identified show stoppers for 10.2 delivery at DGS-X

QUESTIONS ?

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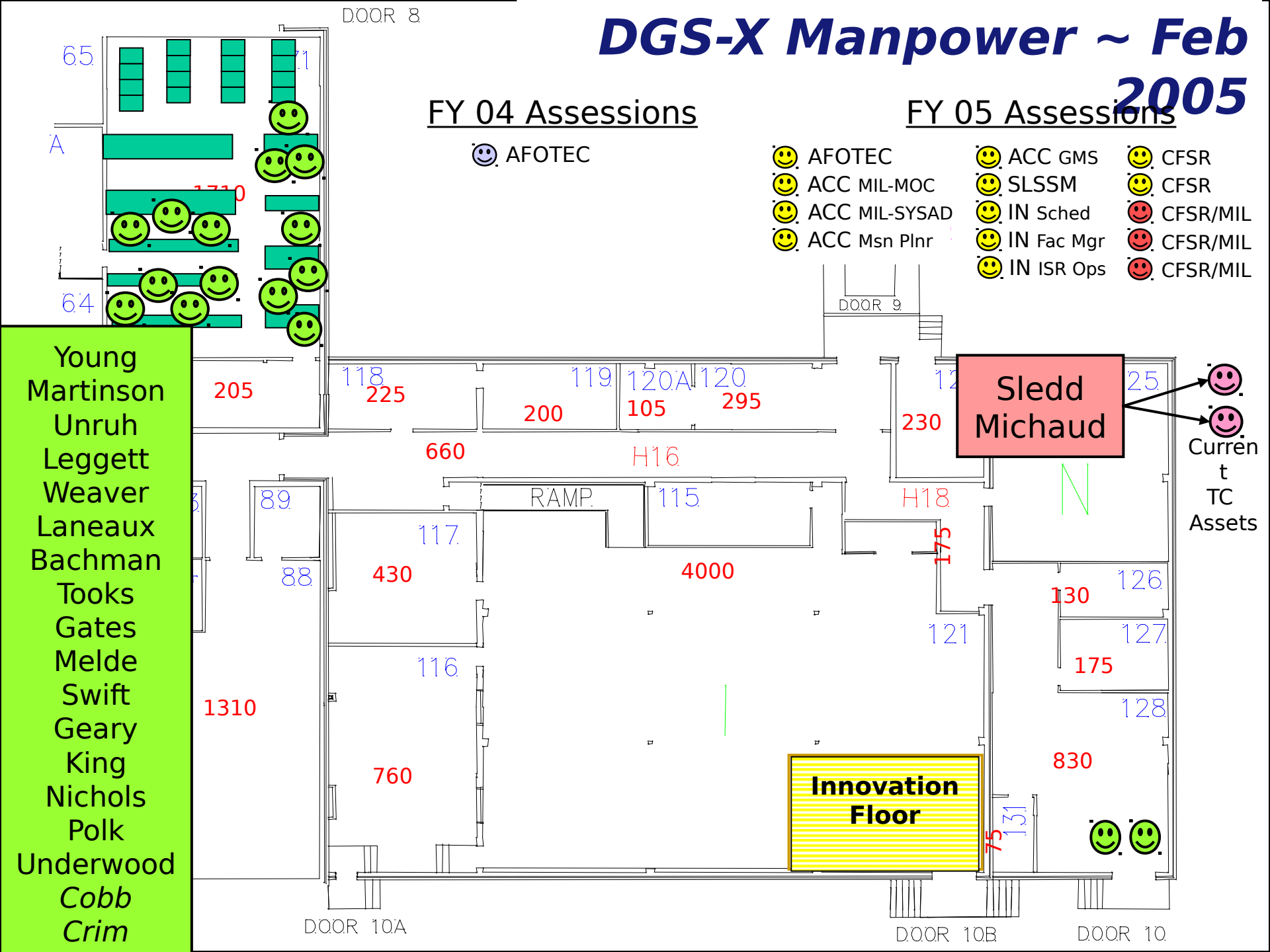
Palmdale FTF

- **Security upgrades: Investigating moving the FTF to the high side environment**
- **DREN Connectivity:**
  - **Project is funded**
  - **Fiber run to Site 2 is in work**
- **Capability:**
  - **Links: Legacy and upgraded MIST & MIST II**
  - **Processing: CIP, DGIF, & GCP**
  - **Remote Data Relay: Theater Wideband Relay System**

DGS-X Manpower ~ Feb 2005



FY 04 Assessions

- AFOTEC

FY 05 Assessions

- AFOTEC
- ACC MIL-MOC
- ACC MIL-SYSAD
- ACC Msn Plnr
- ACC GMS
- SLSSM
- IN Sched
- IN Fac Mgr
- IN ISR Ops
- CFSR
- CFSR
- CFSR/MIL
- CFSR/MIL
- CFSR/MIL

Current TC Assets

Young
Martinson
Unruh
Leggett
Weaver
Laneaux
Bachman
Tooks
Gates
Melde
Swift
Geary
King
Nichols
Polk
Underwood
Cobb
Crim

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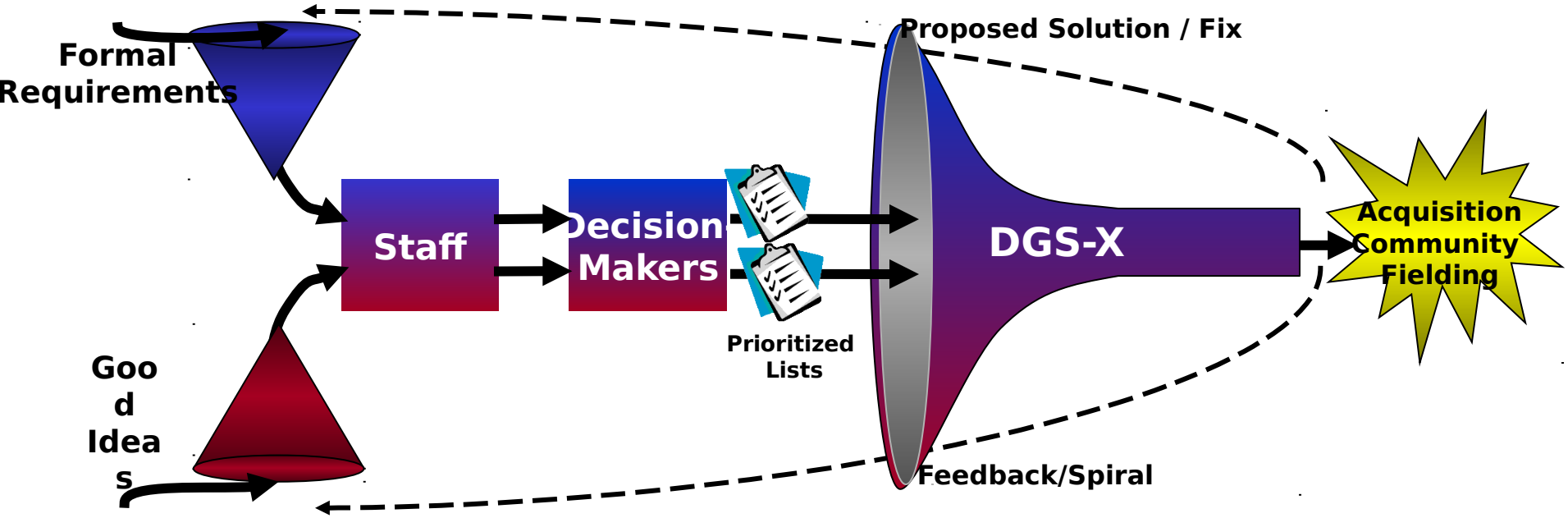
Spiral Development Process

Baseline Integration



Innovation

DOTMLPF Compliant, Interoperable Capability

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DCGS Integrated Backbone

- Developers Toolkit
- Workflow Management Services
- Security Services
- COTS Software Licenses
- Integration Support Services
- System Services
- Web and Portal Services

Multi-Service DIB built using Commercial *J2EE* *Standards* ensuring Joint Interoperability

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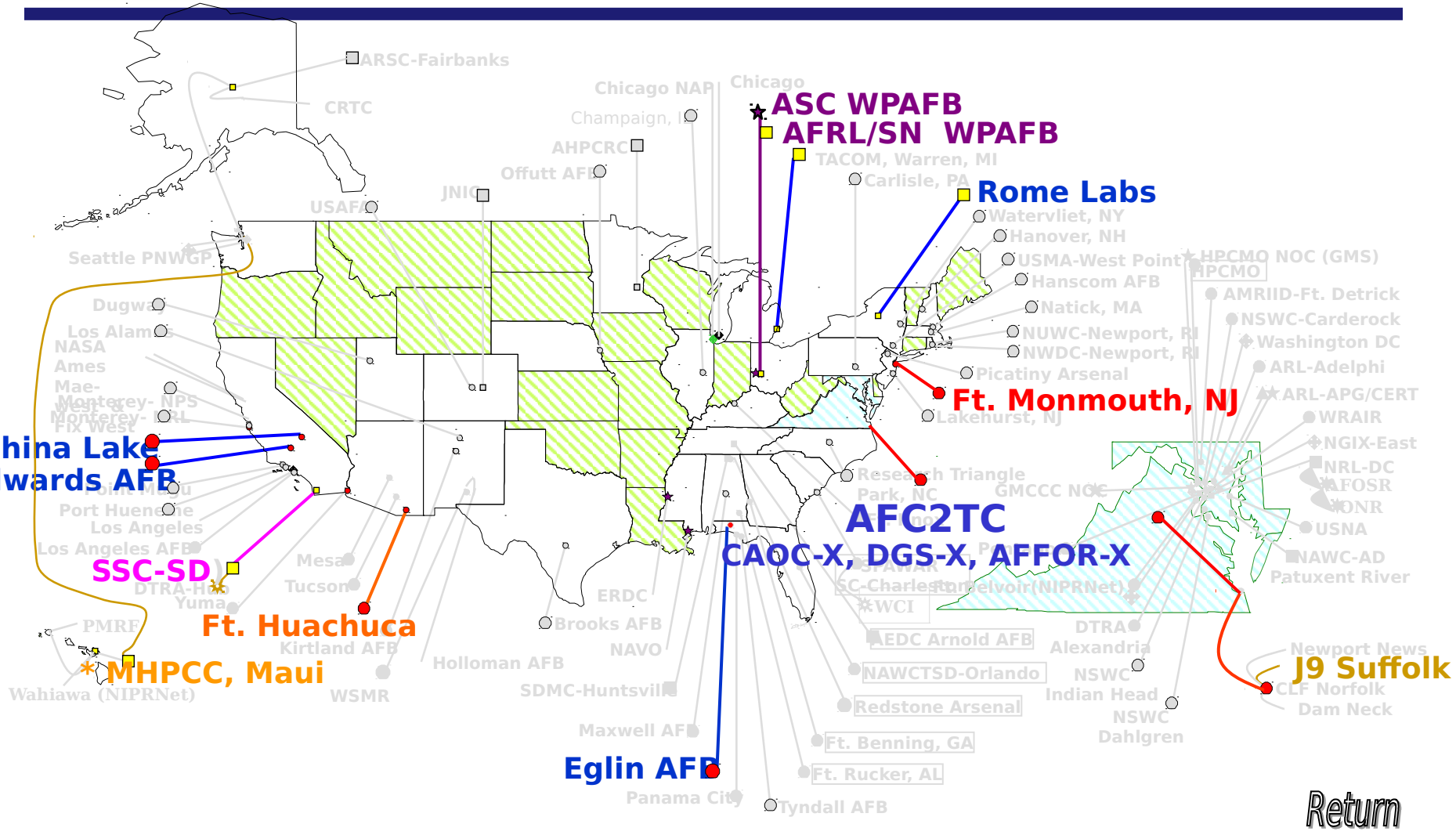
DREN Site Wishlist



Return

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